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## U.S. Government Estimates of Quarterly Revenue for Selected Services

**Notice of Revision:** Quarterly services revenue estimates were revised based on the results of the 2004 Service Annual Survey. Annual benchmark tables and text showing revised data can be found on our website at <http://www.census.gov/qss>. Except for the information sector, all revised data were based on 2002 North American Industry Classification System (NAICS) definitions. For information, the quarterly and annual data use 1997 NAICS. The quarterly data, therefore, were revised based on the 2002 Economic Census and annual data on a 1997 NAICS basis. We will adopt the 2002 NAICS definitions for the Information Sector in the third quarter of 2006 coinciding with the introduction of a new Quarterly Services Survey (QSS) sample.

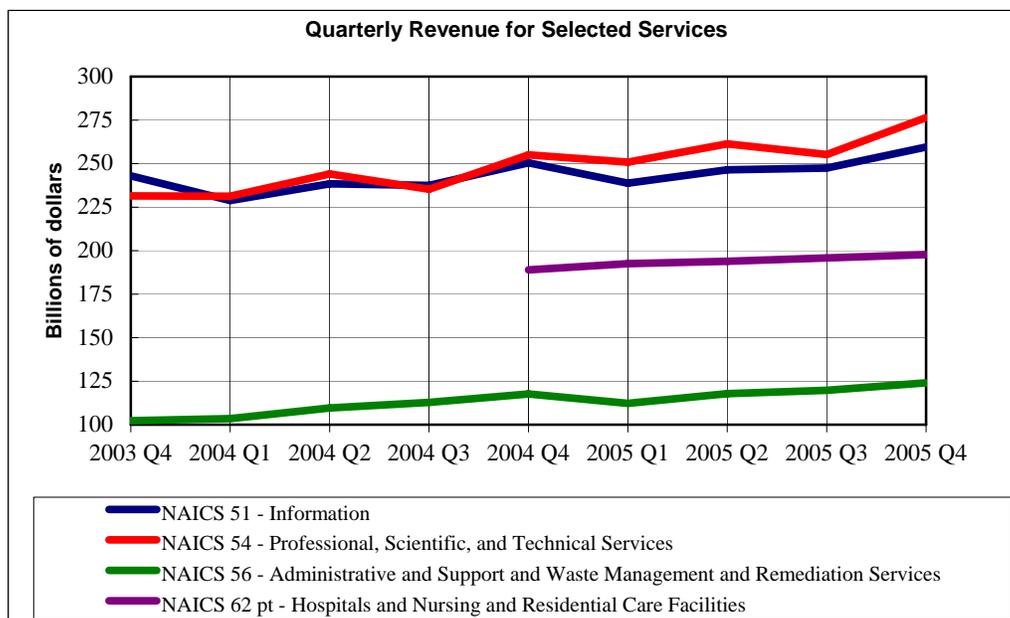
**Information** The Department of Commerce's Census Bureau announced today that the estimate of U.S. information sector revenue for the fourth calendar quarter of 2005, not adjusted for seasonal variation, holiday or trading-day differences, or price changes, was \$259.5 billion, an increase of 4.9 percent ( $\pm 0.5\%$ ) from the third quarter of 2005 and up 3.6 percent ( $\pm 0.8\%$ ) from the fourth quarter of 2004. The second to third quarter percent change was revised from 0.6 percent ( $\pm 0.3\%$ ) to 0.4 percent ( $\pm 0.5\%$ )\*. The telecommunications industry estimate was \$92.2 billion, an increase of 0.7 percent ( $\pm 0.3\%$ ) from the third quarter of 2005 and up 2.2 percent ( $\pm 1.0\%$ ) from the fourth quarter of 2004. The publishing subsector estimate was \$74.4 billion, an increase of 6.5 percent ( $\pm 1.0\%$ ) from the third quarter of 2005 and up 6.2 percent ( $\pm 1.8\%$ ) from the fourth quarter of 2004.

**Professional, scientific, and technical services** The estimate of U.S. professional, scientific, and technical services revenue for the fourth quarter of 2005, not adjusted for seasonal variation, holiday or trading-day differences, or price changes, was \$276.4 billion, an increase of 8.3 percent ( $\pm 2.0\%$ ) from the third quarter of 2005 and up 8.4 percent ( $\pm 1.7\%$ ) from the fourth quarter of 2004. The second to third quarter percent change was revised from -1.8 percent ( $\pm 1.7\%$ ) to -2.3 percent ( $\pm 2.0\%$ ). The architectural, engineering, and related services industry estimate was \$52.4 billion, an increase of 5.4 percent ( $\pm 4.8\%$ ) from the third quarter of 2005 and up 13.5 percent ( $\pm 6.6\%$ ) from the fourth quarter of 2004.

**Administrative and support and waste management and remediation services** The estimate of U.S. administrative and support and waste management and remediation services revenue for the fourth quarter of 2005, not adjusted for seasonal variation, holiday or trading-day differences, or price changes, was \$124.1 billion, an increase of 3.6 percent ( $\pm 1.7\%$ ) from the third quarter of 2005 and up 5.5 percent ( $\pm 2.5\%$ ) from the fourth quarter of 2004. The second to third quarter percent change was revised from 1.1 percent ( $\pm 1.3\%$ )\* to 1.6 percent ( $\pm 1.7\%$ )\*.

**Hospitals and nursing and residential care facilities** The estimate of U.S. hospitals and nursing and residential care facilities revenue for the fourth quarter of 2005, not adjusted for seasonal variation, holiday or trading-day differences, or price changes, was \$197.7 billion, an increase of 1.0 percent ( $\pm 0.8\%$ ) from the third quarter of 2005 and up 4.7 percent ( $\pm 1.7\%$ ) from the fourth quarter of 2004. The second to third quarter percent change was revised from 1.2 percent ( $\pm 0.8\%$ ) to 1.0 percent ( $\pm 0.8\%$ ).

For survey description and an explanation of the measures of sampling variability included in this report, please see the last page of this publication.



First quarter 2006 revenue is scheduled to be released on June 14, 2006, at 10:00 a.m. EDT

This report is available on the day of issue through the Department of Commerce's STAT-USA Website; for more information, call (202) 482-1986.

\* The 90 percent confidence interval includes zero. The Census Bureau does not have sufficient statistical evidence to conclude that the actual change is different from zero.

Our internet site is <http://www.census.gov/qss>

**Table 1. Selected Services - Estimated Quarterly Revenue for Employer Firms**

[Estimates have not been adjusted for seasonal variation, holiday or trading-day differences, or price changes. Estimates are based on data from the Quarterly Services Survey and, except for NAICS 622 and 623, have been adjusted using results of the 2004 Service Annual Survey]

NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Revenue to date		
		4Q	3Q	2Q	1Q	4Q	3Q	4Q 2005	3Q 2005	4Q 2005	3Q 2005	2005	2004	2005
		2005	2005	2005	2005	2004	2004	from	from	from	from	(p)	(r)	from
		(p)	(r)	(r)	(r)	(r)	(p)	(r)	(p)	(r)	(p)	(r)	(p)	
<b>51</b>	<b>Information</b> .....	259,485	247,405	246,452	238,729	250,423	237,464	4.9	0.4	3.6	4.2	992,071	955,083	3.9
511	Publishing industries .....	74,380	69,866	68,158	64,220	70,022	65,071	6.5	2.5	6.2	7.4	276,624	260,348	6.3
51111	Newspaper publishers .....	13,194	12,446	12,714	12,005	12,916	11,918	6.0	-2.1	2.2	4.4	50,359	48,599	3.6
51112	Periodical publishers .....	11,992	11,391	10,903	9,765	10,889	10,898	5.3	4.5	10.1	4.5	44,051	41,760	5.5
5111 pt	Book, database and directory, and other publishers <sup>2</sup> .....	15,726	16,736	14,996	14,420	15,343	14,983	-6.0	11.6	2.5	11.7	61,878	57,728	7.2
5112	Software publishers .....	33,468	29,293	29,545	28,030	30,874	27,272	14.3	-0.9	8.4	7.4	120,336	112,261	7.2
512	Motion picture and sound recording industries .....	22,508	19,770	20,729	21,158	24,360	19,963	13.8	-4.6	-7.6	-1.0	84,165	88,267	-4.6
513	Broadcasting and telecommunications .....	136,213	132,308	133,066	129,633	131,769	129,113	3.0	-0.6	3.4	2.5	531,220	512,896	3.6
5131	Radio and television broadcasting .....	13,660	11,654	12,672	12,114	14,007	12,871	17.2	-8.0	-2.5	-9.5	50,100	52,093	-3.8
5132	Cable networks and program distribution .....	30,394	29,102	29,343	27,670	27,610	26,390	4.4	-0.8	10.1	10.3	116,509	104,690	11.3
5133	Telecommunications .....	92,159	91,552	91,051	89,849	90,152	89,852	0.7	0.6	2.2	1.9	364,611	356,113	2.4
51331	Wired telecommunications carriers .....	50,202	50,336	50,782	51,225	52,275	52,411	-0.3	-0.9	-4.0	-4.0	202,545	211,176	-4.1
51332	Wireless telecommunications carriers (except satellite) .....	37,150	36,570	35,461	33,771	33,372	33,084	1.6	3.1	11.3	10.5	142,952	127,602	12.0
5133 pt	Other telecommunications <sup>3</sup> .....	4,807	4,646	4,808	4,853	4,505	4,357	3.5	-3.4	6.7	6.6	19,114	17,335	10.3
514	Information services and data processing services .....	26,384	25,461	24,499	23,718	24,272	23,317	3.6	3.9	8.7	9.2	100,062	93,572	6.9
5141	Information services .....	10,322	9,920	9,607	9,509	9,798	8,940	4.1	3.3	5.3	11.0	39,358	36,242	8.6
5142	Data processing services .....	16,062	15,541	14,892	14,209	14,474	14,377	3.4	4.4	11.0	8.1	60,704	57,330	5.9
<b>54</b>	<b>Professional, scientific, and technical services<sup>4</sup></b> .....	276,372	255,216	261,301	250,812	255,067	235,304	8.3	-2.3	8.4	8.5	1,043,701	965,714	8.1
5412	Accounting, tax preparation, bookkeeping, and payroll services .....	22,575	20,698	25,723	30,388	21,262	19,667	9.1	-19.5	6.2	5.2	99,384	92,883	7.0
5413	Architectural, engineering, and related services <sup>5</sup> .....	52,432	49,729	47,739	44,529	46,209	43,846	5.4	4.2	13.5	13.4	194,429	180,073	8.0
5415	Computer systems design and related services .....	46,423	45,832	46,406	44,380	44,491	42,969	1.3	-1.2	4.3	6.7	183,041	173,171	5.7
5416	Management, scientific, and technical consulting services .....	37,340	34,503	34,384	32,580	32,570	30,711	8.2	0.3	14.6	12.3	138,807	122,317	13.5
5418	Advertising and related services .....	18,977	17,508	17,606	15,868	17,400	15,766	8.4	-0.6	9.1	11.0	69,959	63,583	10.0
541 pt	Other professional, scientific, and technical services <sup>6</sup> .....	98,625	86,946	89,443	83,067	93,135	82,345	13.4	-2.8	5.9	5.6	358,081	333,687	7.3
<b>56</b>	<b>Administrative and support and waste management and remediation services<sup>7</sup></b> .....	124,073	119,750	117,826	112,211	117,626	112,784	3.6	1.6	5.5	6.2	473,860	443,506	6.8
561	Administrative and support services <sup>7</sup> .....	107,311	103,582	103,069	98,498	102,038	97,168	3.6	0.5	5.2	6.6	412,460	384,864	7.2
5613	Employment services .....	41,671	40,085	38,573	37,595	39,950	37,045	4.0	3.9	4.3	8.2	157,924	145,717	8.4
5615	Travel arrangement and reservation services .....	7,820	7,950	8,414	7,462	6,985	7,134	-1.6	-5.5	12.0	11.4	31,646	28,199	12.2
561 pt	Other administrative and support services <sup>8</sup> .....	57,820	55,547	56,082	53,441	55,103	52,989	4.1	-1.0	4.9	4.8	222,890	210,948	5.7
562	Waste management and remediation services .....	16,762	16,168	14,757	13,713	15,588	15,616	3.7	9.6	7.5	3.5	61,400	58,642	4.7
<b>62 pt</b>	<b>Selected health care services<sup>9</sup></b> .....	197,723	195,775	193,831	192,528	188,932	NA	1.0	1.0	4.7	NA	779,857	NA	NA
622	Hospitals .....	160,700	159,486	157,959	157,494	153,354	NA	0.8	1.0	4.8	NA	635,639	NA	NA
623	Nursing and residential care facilities .....	37,023	36,289	35,872	35,034	35,578	NA	2.0	1.2	4.1	NA	144,218	NA	NA

(p) Preliminary estimate. (r) Revised estimate. NA Not available.

(1) For a full description of the NAICS codes used in this table, see [www.census.gov/epcd/www/naics.html](http://www.census.gov/epcd/www/naics.html).

(2) Includes NAICS 51113 (book publishers), 51114 (database and directory publishers), and 51119 (other publishers).

(3) Includes NAICS 51333 (telecommunications resellers), 51334 (satellite telecommunications), and 51339 (other telecommunications).

(4) Excludes NAICS 54112 (offices of notaries), 54132 (landscape architectural services), and 54194 (veterinary services).

(5) Excludes NAICS 54132 (landscape architectural services).

(6) Includes NAICS 5411 (legal services except NAICS 54112 (offices of notaries)), 5414 (specialized design services), 5417 (scientific research and development services), and 5419 (other professional, scientific, and technical services except NAICS 54194 (veterinary services)).

(7) Excludes NAICS 56173 (landscaping services).

(8) Includes NAICS 5611 (office administrative services), 5612 (facilities support services), 5614 (business support services), 5616 (investigation and security services), 5617 (services to buildings and dwellings except NAICS 56173 (landscaping services)), and 5619 (other support services).

(9) Includes NAICS 622 (hospitals) and 623 (nursing and residential care facilities).

Note: Sector totals and subsector totals may include data for kinds of business not shown. Table 2 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/svsd/www/qsrreliability.html](http://www.census.gov/svsd/www/qsrreliability.html).

**Table 2. Selected Services - Estimated Measures of Sampling Variability**

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

NAICS code <sup>1</sup>	Kind of business	Median coefficient <sup>1</sup> of variation for quarterly total revenue	Median standard error <sup>1</sup> for percent change		Coefficient of variation for revenue to date		Standard error for percent change
			Ratio of two consecutive quarters	Current quarter to current quarter last year	2005	2004	2005 revenue to date
							from 2004 revenue to date
<b>51</b>	<b>Information .....</b>	0.5	0.3	0.5	0.5	0.3	0.4
511	Publishing industries .....	1.3	0.6	1.1	1.3	0.8	0.9
51111	Newspaper publishers .....	1.1	0.6	0.9	0.9	0.5	0.6
51112	Periodical publishers .....	2.0	1.1	1.6	1.9	1.0	1.5
5111 pt	Book, database and directory, and other publishers .....	1.7	1.3	1.7	1.3	0.7	1.3
5112	Software publishers .....	3.2	1.2	2.2	3.1	1.9	2.0
512	Motion picture and sound recording industries .....	2.4	2.0	2.5	2.3	1.3	1.4
513	Broadcasting and telecommunications .....	0.6	0.2	0.4	0.6	0.5	0.4
5131	Radio and television broadcasting .....	1.7	0.9	1.6	1.3	0.4	1.3
5132	Cable networks and program distribution .....	1.0	0.3	0.4	1.0	0.7	0.5
5133	Telecommunications .....	0.9	0.2	0.6	0.9	0.6	0.6
51331	Wired telecommunications carriers .....	1.2	0.3	0.8	1.2	1.0	0.7
51332	Wireless telecommunications carriers (except satellite) .....	0.5	0.1	0.2	0.5	0.4	0.2
5133 pt	Other telecommunications .....	7.0	2.1	5.9	6.8	4.1	5.4
514	Information services and data processing services .....	1.0	0.8	0.9	0.9	0.6	0.7
5141	Information services .....	2.2	1.3	1.7	2.0	1.4	1.5
5142	Data processing services .....	1.9	0.9	1.3	1.8	1.3	0.8
<b>54</b>	<b>Professional, scientific, and technical services .....</b>	2.0	1.2	1.0	1.9	1.5	0.7
5412	Accounting, tax preparation, bookkeeping, and payroll services .....	5.5	2.4	2.1	5.2	5.1	1.5
5413	Architectural, engineering, and related services .....	3.6	2.9	4.0	3.5	2.7	4.0
5415	Computer systems design and related services .....	2.8	1.4	2.2	2.5	1.9	1.5
5416	Management, scientific, and technical consulting services .....	4.1	1.5	2.8	4.1	2.6	2.4
5418	Advertising and related services .....	3.5	2.2	2.8	3.1	2.1	2.0
541 pt	Other professional, scientific, and technical services .....	2.8	2.3	2.4	2.4	2.0	1.7
<b>56</b>	<b>Administrative and support and waste management and remediation services .....</b>	4.1	1.0	1.5	4.1	3.8	1.1
561	Administrative and support services .....	4.7	1.0	1.6	4.6	4.3	1.0
5613	Employment services .....	12.1	1.6	3.2	11.9	11.4	2.2
5615	Travel arrangement and reservation services .....	4.6	2.6	5.1	4.2	2.3	4.0
561 pt	Other administrative and support services .....	1.9	1.3	1.6	1.7	1.0	1.4
562	Waste management and remediation services .....	3.6	2.3	3.7	3.0	2.0	3.0
<b>62 pt</b>	<b>Selected health care services .....</b>	1.6	0.5	1.0	1.5	NA	NA
622	Hospitals .....	1.5	0.5	1.0	1.5	NA	NA
623	Nursing and residential care facilities .....	3.1	1.3	2.4	3.0	NA	NA

NA Not available.

(1) The medians are based on estimates for the most recent four quarters if available.

Note: Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/svsd/www/qssreliability.html](http://www.census.gov/svsd/www/qssreliability.html).

## Survey Description

The U.S. Census Bureau conducts the Quarterly Services Survey (QSS) to provide national estimates of quarterly revenue for employer firms located in the United States and classified in select service industries. The QSS sample includes firms classified in NAICS 51 (Information services), NAICS 54 (Professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), or NAICS 62 (Hospitals and nursing and residential care facilities). Each quarter, questionnaires are mailed to a probability sample of approximately 6,000 employer firms selected from the larger Service Annual Survey (SAS) sample. The QSS sample includes firms of all sizes and is updated on a quarterly basis to account for new service businesses, deaths, and other changes to the survey universe. Data for nonresponding firms are imputed based on data for similar-sized firms classified in the same kind of business. For NAICS 51 (Information sector), imputed revenue amounts to about 10 percent of the total revenue estimate; for NAICS 54 (Professional, scientific, and technical services) imputed revenue amounts to about 26 percent; for NAICS 56 (Administrative and support and waste management and remediation services) imputed revenue amounts to about 30 percent, and for NAICS 62 (Hospitals and nursing and residential care facilities) imputed revenue amounts to about 20 percent. Quarterly revenue estimates are obtained by summing weighted data (either reported or imputed), where the weight for a particular unit is the reciprocal of its probability of being selected into the sample. The quarterly revenue estimates are adjusted using SAS results. Additional information on the QSS can be found on the Census Bureau website at: [www.census.gov/qss](http://www.census.gov/qss).

## Reliability of the Estimates

The estimates in this report may differ from the actual, but unknown, population values. For a particular estimate, statisticians define this difference as the total error of the estimate. When describing the accuracy of survey results, it is convenient to discuss total error as the sum of sampling error and nonsampling error.

Nonsampling error is the difference between the actual population parameter and the value that would be derived by surveying the entire set of units identified as the survey universe (the sampling frame). There are many potential contributors to nonsampling error – the inclusion of erroneous units in the survey (overcoverage), the exclusion of eligible units from the survey (undercoverage), nonresponse, misreporting, mistakes in recording and coding responses, misinterpretation of questions, and other errors of collection, response, coverage, or processing. Though nonsampling error is not measured directly, the Census Bureau employs quality control procedures throughout the process to minimize this type of error.

Sampling error is the average difference between the estimate and the result that would be obtained from a complete enumeration of the sampling frame conducted under the same survey conditions. This error occurs because only a subset of the entire sampling frame is measured in a sample survey. Common measures of sampling error are the sampling variance, the standard error, and the coefficient of variation (CV). The sampling variance is defined as the squared difference, averaged over all possible samples of the same size and design, between the estimator and its average value. The standard error is the square root of the sampling variance. The CV expresses the standard error as a percentage of the estimate to which it refers. For example, an estimate of 200 units that has an estimated standard error of 10 units has an estimated CV of 5 percent. The sampling variance, standard error, and CV of an estimate can be estimated from the selected sample because the sample was selected using probability sampling. Standard errors and coefficients of variation are given in Table 2 of this report.

The first page of this release gives statements about the change in revenue from a prior period. Each change estimate is accompanied by a number in parentheses, called the “margin of error.” The margin of error can be used to construct a 90-percent confidence interval, which is interpreted as follows. If, for each possible sample, an estimate and its approximate standard error are obtained, then for approximately 90 percent of the possible samples, the interval from 1.65 standard errors below to 1.65 standard errors above the estimate would include the average of the estimates derived from all possible samples. If, for example, a particular change estimate is +1.2 percent and its associated margin of error is  $\pm 1.5$  percentage points, then the 90-percent confidence interval for the change estimate is -0.3 percent to +2.7 percent. If the interval contains 0, then one does not have sufficient evidence to conclude at the 90-percent confidence level that the actual change is different from zero. Each comparison stated in this report has undergone statistical testing and is significant at the 90-percent confidence level, unless otherwise noted.

Data users should take into account the estimates of sampling error and the potential effects of nonsampling error when using the statistics in this publication.